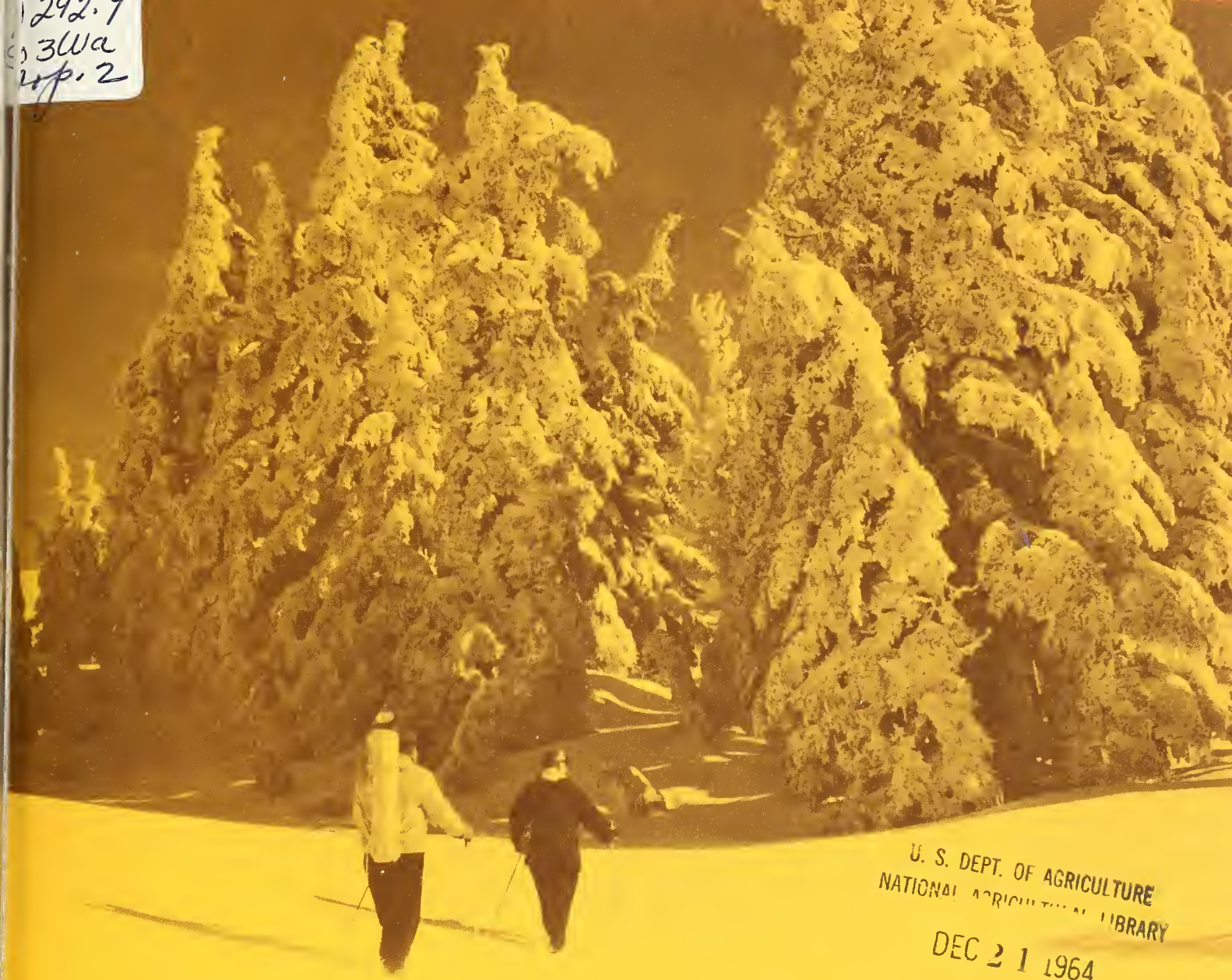

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE,
and
STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Bureau of Reclamation, Utah Fish and Game Dept., Utah Agricultural Experiment Station, U.S. National Park Service, U.S. Geological Survey; and other Federal, State, and private organizations.

AS OF
JUNE 1, 1964

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 2807, Portland, Oregon 97208.

PUBLISHED BY SOIL CONSERVATION SERVICE

REPORTS	ISSUED	LOCATION	COOPERATING WITH
RIVER BASINS			
Western United States	Monthly (Feb.-May)	Portland, Oregon	All Cooperators
Basic Data Summary	October 1	Portland, Oregon	All Cooperators
STATES			
Alaska	Monthly (Mar.-May)	Palmer, Alaska	Alaska S.C.D.
Arizona	Semi-Monthly (Jan.15 - Apr.1)	Phoenix, Arizona	Salt R. Valley Water Users Assoc. Ariz. Agr. Exp. Station
Colorado and New Mexico	Monthly (Feb.-May)	Fort Collins, Colorado	Colo. State University Colo. State Engineer N. Mex. State Engineer
Idaho	Monthly (Jan.-June)	Boise, Idaho	Idaho State Reclamation Engineer
Montana	Monthly (Jan.-June)	Bozeman, Montana	Mont. Agr. Exp. Station
Nevada	Monthly (Jan.-May)	Reno, Nevada	Nevada Dept. of Conservation and Natural Resources - Division of Water Resources
Oregon	Monthly (Jan.-June)	Portland, Oregon	Oreg. State University Oregon State Engineer
Utah	Monthly (Jan.-June)	Salt Lake City, Utah	Utah State Engineer
Washington	Monthly (Feb.-June)	Spokane, Washington	Wn. State Dept. of Conservation
Wyoming	Monthly (Feb.-June)	Casper, Wyoming	Wyoming State Engineer

PUBLISHED BY OTHER AGENCIES

REPORTS	ISSUED	AGENCY
British Columbia	Monthly (Feb.-June)	Water Resources Service, Dept. of Lands, Forest and Water Resources, Parliament Bldg., Victoria, B.C., Canada
California	Monthly (Feb.-May)	Calif. Dept. of Water Resources, P.O. Box 388, Sacramento, Calif.

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

JUNE 1, 1964

Report prepared by

GREGORY L. PEARSON, Snow Survey Supervisor

and

GARRY DINSDALE, Asst. Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
125 SOUTH STATE
SALT LAKE CITY UTAH 84111

Issued by

WAYNE D. CRIDDLE
STATE ENGINEER
STATE OF UTAH
SALT LAKE CITY, UTAH

J.A. LIBBY
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

DR. D.W. THORNE
DIRECTOR
UTAH AGRICULTURAL
EXPERIMENT STATION
LOGAN, UTAH

WATER SUPPLY OUTLOOK

as of

JUNE 5, 1964

and

Special Measurements

During 1963-64 Season

May's weather brought an improvement in the water outlook for practically all parts of Utah. The mountain raingage network shows that precipitation during the month varied from about average to 185% of average in northern Utah, while in southern sections it ranged from about 120% to 275% of average.

This above normal precipitation, combined with the cool weather experienced during the early part of May, caused the snowpack to continue building up, particularly at the lower elevations. When the warmer weather came during the last half of the month, streams rose much higher than would ordinarily be expected. This was because most of the runoff which usually comes during April and early May from the lower watersheds was delayed and then came along with the runoff from the intermediate elevations during late May. This weather combination has also improved the prospects for late season streamflow.

In addition to the current snow and precipitation readings, this report also contains special snow and soil moisture measurements which were made during the past fall, winter and spring months.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Chalk Creek #2*	8000	5/27	2.67	2.59	23.03	23.52	98
Chalk Creek #3*	7500	5/27	1.89	- -	18.76	- -	--
Monte Cristo #2	8960	6/2	4.58	- -	33.46	- -	--
Salt River Summit	7900	6/1	0.60	2.65	19.23	24.82	77
Stillwater Camp	8550	6/1	2.70	2.00	19.02	19.26	99
Trial Lake *	9800	6/1	3.72	2.85	26.52	30.53	87
LOWER BEAR RIVER (Below Harer, Idaho)							
Dry Bread Pond	8230	6/2	4.15	3.75	27.40	30.59	90
Garden City Summit	7600	6/3	2.17	2.70	22.33	24.20	92
Klondike Narrows	7400	6/3	2.61	3.20	28.93	30.20	96
Little Bear(upper)	6850	5/27	3.28	3.08	21.82	26.48	82
Monte Cristo #2	8960	6/2	4.58	- -	33.46	- -	--
Tony Grove R.S.(SCS)	6250	5/26	1.91	- -	19.30	- -	--
Willow Flat	6100	6/5	3.70	3.72	25.50	31.94	80
OGDEN RIVER							
Ben Lomond(lower)	5850	5/27	4.17	3.35	30.33	33.64	90
Ben Lomond Trail	6000	5/27	4.40	- -	31.57	- -	--
Causey Dam	5500	6/2	2.86	- -	18.64	- -	--
Dry Bread Pond	8230	6/2	4.15	3.75	27.40	30.59	90
Horse Ridge	8260	5/28	2.70	- -	30.34	- -	--
Monte Cristo #2*	8960	6/2	4.58	- -	33.46	- -	--
Sagebrush Flat	6300	6/2	2.58	- -	17.62	- -	--
WEBER RIVER							
Chalk Creek #2	8000	5/27	2.67	2.59	23.03	23.52	98
Chalk Creek #3	7500	5/27	1.89	- -	18.76	- -	--
Farmington Guard Sta.(1)	7500	6/1	- -	4.33a	37.93	39.50a	96
Farmington Rice (1)	7000	6/1	6.44	4.09a	37.91	36.48a	104
Horse Ridge	8260	5/28	2.70	- -	30.34	- -	--
Lost Creek Reservoir	6125	5/28	1.69	- -	12.46	- -	--
Mt. Dell Dam(2)*	5500	5/31	4.56	2.49a	21.17	18.52a	114
Parley's Canyon Smt.	7500	5/30	2.71	2.77	30.90	27.74	111
Silver Lake(Brighton)*(2)	8725	5/31	4.12	3.27a	33.76	37.38a	90
Smith & Morehouse	7600	6/1	3.19	2.18	24.08	23.93	101
Trial Lake*	9800	6/1	3.72	2.85	26.52	30.53	87

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage
(2) Data supplied by U.S.WeatherBureau
a All values estimated except those where symbol "a" occurs.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
				a		a	
PROVO RIVER & UTAH LAKE							
Clear Creek Ridge #2	8000	5/28	2.82	2.00	18.99	21.83	87
Daniels-Strawberry Smt.	8000	6/1	2.73	1.74	21.70	22.77	95
Dutchman R. S.	7500	5/27	3.52	2.76	24.71	33.58	74
East Portal Ridge	7800	6/1	3.40	- -	22.64	- -	--
Hobble Creek Smt.	7300	5/28	3.83	1.89	22.30	22.71	98
Payson R. S.	8050	5/27	3.15	2.03	24.57	23.61	104
Soapstone R. S.	7800	6/1	3.25	2.10	23.96	23.00	104
Strawberry Res.-E.Portal	7606	6/1	2.10	1.58	13.14	12.74	103
Timpanogos Divide	8200	5/31	4.37	2.60a	29.28	34.13a	86
Trial Lake	9800	6/1	3.72	2.85	26.52	30.53	87
JORDAN RIVER & TOOELE VALLEY							
Middle Canyon	7000	Gage emptied		2.36	- -	23.60	--
Mt. Dell Dam (2)	5500	5/31	4.56	2.49a	21.17	18.52a	114
Parley's Canyon Smt.	7500	5/30	2.71	2.77	30.90	27.74	111
Silver Lake(Brighton)(2)	8725	5/31	4.12	3.27a	33.76	37.38a	90
SEVIER RIVER ABOVE RICHFIELD							
Big Flat*	10290	5/27	4.87	2.40	20.64	24.54	84
Box Creek	9800	5/27	2.55	1.90	16.30	20.75	78
Castle Valley	9700	5/26	2.52	1.46	17.15	18.02	95
Cedar Breaks	10390	5/27	3.59	- -	21.81	- -	--
Duck Creek R. S.	8560	5/25	3.60	1.30	21.98	24.05	91
Kimberly Mine	8900	5/28	4.15	2.50	27.06	26.22	103
Panguitch Lake	8200	5/26	1.05	0.74	7.20	10.24	70
Webster Flat*	9200	5/27	4.20	1.55	23.45	26.05	90
Widtsoe-Escalante #3	9500	5/27	3.21	1.77	16.46	16.56	99
Widtsoe R. S.	7600	5/27	1.28	0.75a	5.62	6.81a	83
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)							
Beaver Dams	8000	5/26	4.22	2.73	17.98	20.23	89
Farnsworth Lake	9900	5/28	3.98	2.76	28.20	25.76	109
Fish Lake	8700	5/27	2.25	1.51	10.40	9.51	109
G.B.R.C. Headquarters(1)	8700	6/1	4.88	2.62a	23.46	25.18a	93
G.B.R.C. Meadows (1)	10000	6/1	5.36	2.89a	28.85	26.35a	109
G.B.R.C. Oaks (1)	7655	6/1	4.10	2.12a	17.99	17.74a	101
Gooseberry R. S. (1)	7800	5/28	3.23	2.57	19.68	17.47	113
Gooseberry Reservoir*	8700	5/27	3.68	2.54	22.85	23.99	95
Mammoth R.S. #2*	8600	5/27	3.91	2.52	25.08	23.79	105
Mt. Baldy R. S.	9500	5/26	4.64	- -	21.52	- -	--
Pine Creek	8700	5/27	5.55	2.55	31.13	31.68	98
Shingle Mill	6200	5/27	3.55	- -	20.82	- -	--

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S. WB
a All values estimated except those where symbol "a" occurs.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943—57 AVERAGE	PERCENT OF AVERAGE
BEAVER RIVER				a		a	
Beaver Canyon P.H. (2)	7275	6/1	2.90	1.60a	11.59	14.40a	80
Big Flat	10290	5/27	4.87	2.40	20.64	24.54	84
PAROWAN CREEK							
Yankee Reservoir	8700	5/26	1.58	1.13	15.88	16.33	97
COAL CREEK							
Cedar Breaks	10390	5/27	3.59	- -	21.81	- -	--
Webster Flat *	9200	5/27	4.20	1.55	23.45	26.05	90
ENTERPRISE TO NEW HARMONY DRAINAGE							
Little Grassy Creek	6100	5/27	1.78	1.01	12.80	16.85	76
Long Flat	8000	5/28	2.34	1.20	14.89	18.04	82
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH							
(Tributaries above Flaming Gorge)							
Black's Fork Jct.	8925	5/26	3.25	- -	17.41	- -	--
E.F. Black's Fork G.S.	9300	5/26	3.27	- -	18.71	- -	--
Hewinta G. S.	9500	5/26	3.00	- -	18.74	---	--
Spirit Lake	10300	5/26	3.65	- -	22.05	- -	--
BRUSH CREEK							
Kings Cabin(upper)	8730	5/26	3.45	2.35	14.20	18.08	78
DUCHESNE RIVER							
Currant Creek	7800	5/28	2.45	1.40	16.15	16.54	98
Daniels-Strawberry Smt.*	8000	6/1	2.73	1.74	21.70	22.77	95
East Portal Ridge*	7800	6/1	3.40	- -	22.64	- -	--
Indian Canyon	9100	5/26	3.20	- -	15.90	- -	--
Julius Park	9800	5/25	2.05	2.90	13.97	20.26	69
Lakefork Mountain	10500	5/27	3.95	2.50	18.25	19.16	95
Moon Lake	8150	5/30	3.40	1.80a	11.15	12.14a	92
Paradise Park	10100	5/25	2.25	3.10	15.25	21.71	70
Rock Creek	7900	5/27	2.45	2.32	14.80	16.45	90
Soapstone R.S.*	7800	6/1	3.25	2.10	23.96	23.00	104
Strawberry Res.-E.Portal*	7606	6/1	2.10	1.58	13.14	12.74	103
Trial Lake*	9800	6/1	3.72	2.85	26.52	30.53	87
White River #1	8600	5/25	2.55	2.28	19.00	20.70	92

(1) Data supplied by U.S.Forest Service
* Adjacent Drainage

(2) Data supplied by U.S.WB
a All values estimated except those where symbol "a" ossurs.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943—57 AVERAGE	THIS YEAR	1943 — 57 AVERAGE	PERCENT OF AVERAGE
				a		a	
PRICE RIVER							
Clear Creek Ridge #2*	8000	5/28	2.82	2.00	18.99	21.83	87
Gooseberry Reservoir	8700	5/27	3.68	2.54	22.85	23.99	95
Indian Canyon	9100	5/26	3.20	- -	15.90	- -	--
Mammoth R. S. #2	8600	5/27	3.91	2.52	25.08	23.79	105
Mud Creek	8300	5/28	3.50	2.44	19.15	20.95	91
White River #1	8600	5/25	2.55	2.28	19.00	20.70	92
SAN RAFAEL RIVER							
Buck Flat	9400	5/26	4.57	2.10	20.52	22.25	92
G.B.R.C. Meadows* (1)	10000	6/1	5.36	2.89a	28.85	26.35a	109
Gooseberry Reservoir	8700	5/27	3.68	2.54	22.85	23.99	95
Red Pine Ridge	9400	5/27	4.10	2.52	22.10	26.40	84
Stuart R. S.	7950	5/28	2.20	1.95	13.35	18.49	72
MUDDY RIVER							
Mt. Baldy R. S.*	9500	5/26	4.64	- -	21.52	- -	--
FREMONT & ESCALANTE RIVERS							
Black's Flat-U.M. Creek	9250	5/27	3.15	1.78	14.55	16.15	90
Farnsworth Lake *	9900	5/28	3.98	2.76	28.20	25.76	109
Fish Lake	8700	5/27	2.25	1.51	10.40	9.51	109
Widtsoe-Escalante #3	9500	5/27	3.21	1.77	16.46	16.56	99
VIRGIN RIVER							
Duck Creek R. S.	8560	5/25	3.60	1.30	21.98	24.05	91
Webster Flat	9200	5/27	4.20	1.55	23.45	26.05	90
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9000	5/28	1.80	1.80	15.48	24.80	62
Camp Jackson	8600	5/28	1.60	1.55	12.65	19.86	64
LaSal Mountain(upper)	9600	5/28	4.30	2.10	19.15	24.64	78

(1) Data supplied by U.S. Forest Service
* Adjacent Drainage

(2) Data supplied by U.S. WB
a All values estimated except those where symbol "a" occurs

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	WATER CONTENT (Inches) AVERAGE [a]

XXXXXXXX
XXXXXXXX

2 years ago

SUPPLEMENTAL MEASUREMENTS FOR UTAH

JUNE 1, 1964

Big Flat	12L7	10000	5/27	31	11.5	6.5	16.9
Buck Flat	11K31	9400	5/26	6	1.8	- -	- -
Cedar Breaks	12M1	10390	5/27	13	4.0	0.0	5.4
Chalk Creek #1	11J1	9100	5/27	18	7.3	- -	3.8
Farnsworth Lake	11L1	9900	5/28	27	11.6	- -	- -
G.B.R.C. Meadows	11K10	10000	6/1	38	16.9	11.1	19.5
Gooseberry Reservoir	11K4	8700	5/27	3	1.3	- -	- -
Horse Ridge	11H21	8260	5/28	0	0.0	- -	- -
Lakefork Mtn. #1	10J10	10500	5/27	4	1.3	0.0	5.8
Mammoth R.S.-Cntwd.Crk.	11K3	8800	5/27	7	2.6	- -	- -
Midway Valley	12M2	9800	5/27	11	3.6	- -	- -
Monte Cristo R. S.	11H12	8960	5/27	18	7.9	2.8	7.9
Mt. Baldy R. S.	11K12	9500	5/26	34	13.6	9.0	17.7
Otter Lake	12L8	9300	5/27	8	3.1	- -	- -
Paradise Park	9J3	10100	5/25	3	0.7	0.2	5.2
Pine Creek	12L1	8700	5/27	0	0.0	- -	- -
Red Pine Ridge	11K28	9400	5/27	0	0.0	- -	- -
Seely Creek R. S.	11K9	10000	6/1	7	3.4	- -	8.3
Spirit Lake	9J7	10300	5/26	12	4.9	0.0	3.9
Steep Hollow #1	11H27	8500	5/26	51	25.0	9.2	11.6
Steep Hollow #2	11H28	7700	5/26	7	3.3	- -	- -
Trial Lake	10J8	9800	5/28	36	19.5	18.1	25.4

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches) LAST YEAR	AVERAGE [a]

XXXXXXXXX
XXXXXXXXX

2 years ago

SUPPLEMENTAL MEASUREMENTS FOR UTAH

NOVEMBER 1, 1963

Cedar Breaks	12M1	10390	10/30	0	0.0	- -	- -
Dutchman R. S.	11J17	7500	10/31	Trace	Trace	0.0	- -
Little Grassy Creek	13M4	6100	10/31	0	0.0	- -	- -
Long Flat	13M2	8000	10/31	0	0.0	- -	- -
Parley's Canyon Smt.	11J15	7500	11/2	Trace	Trace	- -	- -
Webster Flat	12M3	9200	10/30	0	0.0	- -	- -
Yankee Reservoir	12M11	8700	11/4	0	0.0	- -	- -

DECEMBER 1, 1963

Beaver Crk-Skunk Crk	11H14	7150	11/25	6	1.0	- -	4.0
Ben Lomond(lower)	11H9	5850	11/25	13	2.5	0.0	6.2
Buck Flat	11K31	9400	11/26	8	1.2	0.0	5.8
Dry Bread Pond	11H13	8230	11/25	10	1.8	1.3	4.6
Fish Lake	11L3	8700	11/27	0	0.0	- -	- -
Garden City Smt.	11H7	7600	11/26	14	3.2	- -	- -
Horse Ridge	11H21	8260	11/27	8	1.7	- -	- -
Kilfore Creek	11H31	7300	11/27	6	1.1	- -	- -
Lakefork Mountain #1	10J10	10500	11/26	13	2.4	- -	- -
Lakefork Mountain #2	10J11	8900	11/26	6	0,9	- -	- -
Lakefork Mountain #3	10J12	8100	11/26	3	0.3	- -	- -
Little Grassy Creek	13M4	6100	12/2	0	0.0	- -	- -
Pine Creek	12L1	8700	11/27	9	2.0	1.3	4.0
Red Pine Ridge	11K28	9400	11/27	6	1.0	0.0	4.8
Rock Creek	10J18	7900	11/27	5	0.8	- -	- -
Sagebrush Flat	11H15	6300	11/25	2	0.2	0.0	- -
Shingle Mill	12L11	6200	11/29	8	1.5	0.8	4.0
Stuart R. S.	11K27	7950	11/27	0	0.0	0.0	2.6

FEBRUARY 1, 1964

Ashley Twin Lakes A	9J11	10500	2/4	27	5.4A	3.8A	- -
Atwood Basin A	10J27	10250	2/4	36	7.2A	2.9A	- -
Buck Pasture A	10J23	9700	2/4	40	8.0A	5.0A	- -
Chepeta-Whiterocks A	9J9	10300	2/4	29	5.8A	4.1A	- -
Five Point Lake A	10J26	11000	2/4	35	7.7A	6.5A	12.8A
Henry's Fork A	10J24	10200	2/4	40	8.0A	- -	- -
Lakefork Basin A	10J25	11100	2/4	40	8.0A	- -	- -
Steel Creek Park A	10J20	9900	2/4	35	7.0A	2.4A	- -
Windy Park A	9J12	9400	2/4	24	3.8A	1.9A	- -

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
						WATER CONTENT (Inches)	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	LAST YEAR	AVERAGE [a]
						XXXXXXXXX	2 years ago
MARCH 15, 1964							
Monte Cristo R. S.	11H12	8960	3/18	67	20.7	- -	- -
MAY 15, 1964							
Ashley Twin Lakes A	9J11	10500	5/20	36	12.5A	- -	- -
Atwood Basin A	10J27	10250	5/20	21	7.5A	- -	- -
Brown Duck Lake	10J9	10300	5/19	42	15.0	- -	- -
Buck Pasture A	10J23	9700		No Report		- -	- -
Chepeta-Whiterocks A	9J9	10300	5/20	34	12.0A	- -	- -
Five Point Lake A	10J26	11000	5/20	45	16.2A	- -	- -
Henry's Fork A	10J24	10200	5/20	37	13.0A	- -	- -
Lakefork Basin A	10J25	11100	5/20	85	30.0A	- -	- -
Reynold's ParkA	9J10	10400	5/20	45	16.0A	- -	- -
Steel Creek ParkA	10J20	9900	5/20	44	15.5A	- -	- -
Windy Park A	9J12	9400	5/20	10	3.5A	- -	- -

*(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.*

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
OCTOBER 1, 1963							
Mammoth R.S.-Ctnwd. Crk	8800	60	21.9	10/4	10.8	7.6	- -
Mud Creek	8300	72	9.5	10/4	6.1	5.3	- -
White River #1	8600	48	14.4	10/4	5.5	4.8	- -
NOVEMBER 1, 1963							
Beaver Crk-Skunk Crk.	7150	60	29.2	11/6	14.2	12.4	- -
Ben Lomond(lower)	5850	60	22.0	11/6	12.8	10.2	- -
Daniels-Strawberry Smt.	8000	54	26.3	11/14	13.6	- -	- -
Dry Bread Pond	8230	54	18.0	11/6	7.8	7.5	- -
Dutchman R. S.	7560	36	12.0	11/7	6.8	- -	- -
Garden City Summit	7600	66	26.5	10/30	14.2	12.6	- -
Klondike Narrows	7400	54	17.2	10/30	8.3	9.1	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	10/31	10.7	7.8	- -
Mud Creek	8300	72	9.5	10/30	6.4	5.3	- -
Tony Grove R. S.	6250	48	18.0	10/30	8.6	7.9	- -
Timpanogos Divide	8140	60	19.5	11/7	12.6	- -	- -
DECEMBER 1, 1963							
Mammoth R. S.-Ctnwd. Crk.	8800	60	21.9	12/3	10.6	7.9	- -
Mud Creek	8300	72	9.5	11/26	6.2	5.2	- -
White River #1	8600	48	14.4	11/26	6.2	4.6	- -
JANUARY 1, 1964							
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	12/27	10.0	7.8	- -
Mud Creek	8300	72	9.5	12/30	6.0	5.0	- -
FEBRUARY 1, 1964							
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	1/28	10.0	8.8	- -
Mud Creek	8300	72	9.5	1/31	5.9	5.7	- -
MARCH 1, 1964							
Daniels-Strawberry Smt.	8000	54	26.3	2/25	15.3	- -	- -
Garden City Smt.	7600	66	26.5	2/27	15.9	- -	- -
Klondike Narrows	7400	54	17.2	2/28	16.0	8.7	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	2/29	10.0	8.0	- -
Mud Creek	8300	72	9.5	2/26	5.9	5.7	- -
Tony Grove R.S.	6250	48	18.0	2/27	9.9	8.0	- -
White River #1	8600	48	14.4	2/27	6.2	4.6	- -

SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches) DEPTH	PROFILE (Inches) CAPACITY	SOIL MOISTURE (Inches) DATE	THIS YEAR	LAST YEAR	2 YEARS AGO	
APRIL 1, 1964								
Beaver Crk.-Skunk Crk.	7150	60	29.2	3/18	15.3	20.0	- -	
Ben Lomond(lower)	5850	60	22.0	3/26	16.6	15.2	- -	
Daniels-Strawberry Smt.	8000	54	26.3	4/2	15.6	- -	- -	
Dry Bread Pond	8230	54	18.0	3/18	9.7	7.9	- -	
Dutchman R. S.	7560	36	12.0	3/31	10.3	- -	- -	
Garden City Summit	7600	66	26.5	4/3	16.3	12.5	- -	
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	3/27	10.0	8.0	- -	
Mud Creek	8300	72	9.5	3/30	5.8	5.7	- -	
Tony Grove R. S.	6250	48	18.0	4/3	10.5	16.6	- -	
Timpanogos Divide	8140	60	19.5	3/31	16.6	- -	- -	
White River #1	8600	48	14.4	3/31	6.2	4.6	- -	
MAY 1, 1964								
Beaver Crk-Skunk Crk.	7150	60	29.2	4/28	26.7	29.2	- -	
Daniels-Strawberry Smt.	8000	54	26.3	4/23	26.3	- -	- -	
Dry Bread Pond	8230	54	18.0	4/28	16.7	9.7	- -	
Dutchman R. S.	7560	36	12.0	4/29	11.5	- -	- -	
Garden City Summit	7600	66	26.5	4/30	25.8	14.4	- -	
Klondike Narrows	7400	54	17.2	4/30	17.2	- -	- -	
Mammoth R. S.-Ctnwd. Crk	8800	60	21.9	4/28	15.3	12.8	- -	
Mud Creek	8300	72	9.5	4/30	6.4	5.4	- -	
Tony Grove R. S.	6250	48	18.0	4/30	18.0	17.7	- -	
Timpanogos Divide	8140	66	19.5	4/29	17.1	- -	- -	
White River #1	8600	48	14.4	5/1	6.2	5.0	- -	
JUNE 1, 1964								
Beaver Crk.-Skunk Crk.	7150	60	29.2	5/27	26.2	25.0	- -	
Ben Lomond(lower)	5850	60	22.0	5/27	17.6	19.5	- -	
Daniels-Strawberry Smt.	8000	54	26.3	5/28	24.3	- -	- -	
Dry Bread Pond	8230	54	18.0	5/27	17.2	17.4	- -	
Dutchman R. S.	7560	36	12.0	5/26	9.8	- -	- -	
Garden City Summit	7600	66	26.5	6/3	24.5	25.4	- -	
Klondike Narrows	7400	54	17.2	6/3	14.8	16.1	- -	
Mammoth R. S.-Ctnwd. Crk.	8800	60	21.9	5/27	16.7	15.7	- -	
Mud Creek	8300	72	9.5	5/28	7.2	5.9		
Tony Grove R.S.	6250	48	18.0	6/3	13.5	- -	- -	
Timpanogos Divide	8140	60	19.5	5/26	17.5	- -	- -	
White River #1	8600	48	14.4	5/25	10.0	8.1	- -	

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

- U.S. Department of Agriculture
  - Soil Conservation Service
  - Forest Service
- U.S. Department of Commerce
  - Weather Bureau
- U.S. Department of Interior
  - Bureau of Reclamation
  - Geological Survey
  - National Park Service

STATE AGENCIES

- Utah Agricultural Experiment Station
- Utah Fish and Game Department
- Utah State Engineer
  - Bear River Commissioner
  - Price River Commissioner
  - Provo River Commissioner
  - Sevier River Commissioners
  - Spanish Fork River Commissioner
  - Utah Lake and Jordan River Commissioner
- Utah Water and Power Board

MUNICIPALITIES

- Manti
- Salt Lake City

ORGANIZED PUBLIC AGENCIES

- Beaver River Water Users Association
- Board of Canal Presidents - Jordan River
- Emery Canal and Reservoir Company
- Moon Lake Water Users Association
- Ogden River Water Users Association
- Provo River Water Users Association
- Strawberry Water Users Association
- Sevier River Water Users Association

PRIVATE AGENCIES

- Kaiser Steel Corporation

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